



Connecticut Science & Engineering Fair

Quinnipiac University

March 12 - 16, 2013

Winning Projects

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

Awards Legend

Honors = 1st, 2nd, 3rd place ribbons
(1st honors are CSEF Finalists)

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Avon	Talcott Mountain Academy	Mr. Shook	4024	PT	3	The Python Weather Station		
Student(s) Devon Bierut							Grade 8	Town Windsor
Drake Muth							Grade 8	Town Windsor
● American Society for Quality - Thames Valley Section --- \$400 cash								
Avon	Talcott Mountain Academy	Mr. Tom Noonan	5045	P7	2	Corrosion Of Different Metals		
Student(s) Ryan Gorneault							Grade 7	Town Bristol
● American Society for Metals - Hartford Chapter --- \$100 Check								
Avon	Talcott Mountain Academy	Thomas Noonan	2517	L8	1	Intragenetic Competition Between Bioluminescent Dinoflagellates		
Student(s) Abigail Marmer-Adams							Grade 8	Town Colebrook
● Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award								
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF								
Bethany	Amity Reg Middle School, Bethany Campus	Mr. Kevin Berean	4004	PT	1	Robots as Teachers		
Student(s) Arnaaz Khwaja							Grade 8	Town Woodbridge
Sarah Saxe							Grade 8	Town Bethany
● Dominion Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS								
● Xerox Computer Science Awards --- 1st Place Middle School - \$300, Trophy and Medallion								
● Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$100 cash								
Bethel	Bethel High School	Raymond Turek	6021	PS	3	Geomagnetic Storms and GPS Systems		
Student(s) Matt Novoa							Grade 11	Town Bethel
● ISA - International Society for Automation --- 2nd - \$75 award								
Bethel	Bethel Middle School	Mr. Maxwell	2024	L7	2	The Investigations of Catalase Enzymes		
Student(s) Purna Dalal							Grade 7	Town Bethel
● Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Bethel	St. Mary School	Karen Conover	2006	L7	3	Germ Catcher		
Student(s)			Hannah Folan			Grade 7	Town	Bethel
● Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir								
Bethel	St. Mary School	Mrs. Conover	5055	P7	1	Pain, Pain Go Away!		
Student(s)			Tiffany Saviano			Grade 7	Town	Danbury
● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award								
Bozrah	Fields Memorial School	Mrs. E. Brown	5001	P7	2	Solar Car: Affect of Different Colored Films on a Solar Panel		
Student(s)			Joseph Cirrito			Grade 7	Town	Bozrah
● Barnes Aerospace Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion								
Bozrah	Fields Memorial School	Mrs. Brown	5538	P8	2	Controlling Mobile Robots With Sensors		
Student(s)			Emily O'Connor			Grade 8	Town	Bozrah
● Xerox Computer Science Awards --- 2nd Place Middle School - \$200, Trophy and Medallion								
● IEEE, Connecticut Section --- \$100 Honorable Mention								
● ISA - International Society for Automation --- 1st - \$125 award								
Bozrah	Fields Memorial School	Mrs. E. Brown	5006	P7	1	Perfect Plastic		
Student(s)			Katie Provost			Grade 7	Town	Bozrah
● Dominion Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS								
● People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place Middle School- \$100 from ATOMIC, and Trophy, \$200 from People's United Bank								
● Environmental Sciences Awards with CACIWC --- 1st Place MS - \$300, Trophy, CACIWC gifts								
● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- 2nd Place Middle School - \$300 Cash and Trophy								
● UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering								
● United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report								
● Alexion Biotechnology Awards --- 4th Place- Biotechnology 7th grade- trophy								
● ASM Materials Education Foundation --- Certificate & \$50 ift card to Amazon given by CSEF & medallion								
● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF								
● Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related								
● David and Torrey Fenton Awards --- For creative work in the physical sciences- middle school: \$200 cash								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bozrah Fields Memorial School Evelyn Brown

5012 P7 1 Robotic Rubik's Cube Solver

Student(s) Evan Windsor

Grade 7 **Town** Bozrah

- Dominion Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
- People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
- IEEE, Connecticut Section --- \$250 Honors Award -Junior
- Wilfred A. Müller Award --- \$150 cash award for creative use of mathematics
- Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque
- Connecticut Association for the Gifted --- \$50 gift certificate to attend a Minds in Motion Conference

Brewster H. H. Wells Middle School Mr. Forte

2012 L7 2 Is audio or visual information better remembered?

Student(s) Sarah Comer

Grade 7 **Town** Brewster

- American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSEF
- Connecticut Academy of Audiology --- \$150 Cash Award Middle School- For Excellence in Audiology and Acoustics

Brewster H. H. Wells Middle School Mr. Forte

2032 L7 2 Effect Caffeine and Alcohol on Daphnia Heart Rate

Student(s) Asa Wong

Grade 7 **Town** Brewster

- Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade- \$300 & trophy

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

6089 PS 1 Reduction of Biodiesel Post Combustion Residue

Student(s) Julia Elstein

Grade 12 **Town** Trumbull

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- GENIUS Olympiad --- GENIUS Olympiad Competition for HS student (s) and advisor - Energy
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Sustainability

Bridgeport Bridgeport Regional Aquaculture Center Kirk Shadle

3018 LS 2 Agar Extraction

Student(s) Christina Heffern

Grade 12 **Town** Stratford

- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bridgeport Bridgeport Regional Aquaculture Center Mr. Kirk Shadle

6059 PS 1 Optimization of the Cellulose Algae Salt Battery

Student(s) Karim Kharbouch

Grade 12 **Town** Bridgeport

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Urban School Challenge Awards with support from CASE --- 1st Place High School - \$500 and Trophy, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair
- EnergizeCT/eesmarts Future Sustainability Awards --- 1st Place High School - \$800 Cash, Trophy, and Trip to Compete I-SWEEEP, Houston
- UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Engineering: Materials and Bioengineering

Bridgeport Bridgeport Regional Aquaculture Center Kirk P. Shadle

3065 LS 2 An Analysis of the Hemocyanin Content of Atlantic Horseshoe Crabs (*Limulus polyphemus*) Prior to Hemolymph Extraction in Order to Determine Organism Health Status.

Student(s) Isaiah Mansour

Grade 12 **Town** Fairfield

- Urban School Challenge Awards with support from CASE --- 3rd Place High School - \$ 200 and Trophy, Medallion
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir
- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science
- Mystic Aquarium --- \$100 and 4 Admission Tickets to Mystic Aquarium
- Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt

Bridgeport Bridgeport Regional Aquaculture Center Mr. Kirk Shadle

6007 PS 1 Using Modified Coal Ash to clean water contaminated with oil

Student(s) Ana Pontes

Grade 12 **Town** Bridgeport

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Urban School Challenge Awards with support from CASE --- 2nd Place High School - \$300 and Trophy, Medallion
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report
- David and Torrey Fenton Awards --- For creative work in the physical sciences- high school; \$200 cash

Bridgeport Central High School Kathleen Sullivan

3092 LS 3 Girls vs. Boys: Is gender correlated with stress?

Student(s) Archley Mathieu

Grade 11 **Town** Bridgeport

- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award

Bridgeport High Horizons Magnet School Mrs. Scott-Thiam

2021 L7 1 Go Green by Growing Green

Student(s) Rahnumar Rahma

Grade 7 **Town** bridgeport

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bridgeport Interdistrict Discovery Magnet School Luke Fatsy

2026 L7 2 The Science Of Tempering Chocolate

Student(s) Lohana Andrade

Grade 7 **Town** Shelton

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF

Bridgeport Interdistrict Discovery Magnet School Lucas Fatsy

2017 L7 1 The effects of physical activity on anxiety and short term memory in rats.

Student(s) Ava Fabian

Grade 7 **Town** Bridgeport

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- Urban School Challenge Awards with support from CASE --- 2nd Place Middle School - \$200 and Trophy, Medallion
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy
- U.S. Department of Health & Human Services --- Certificate & \$50 Amazon gift card given by CSEF & medallion

Bridgeport John Winthrop School Mr. Walsh

5547 P8 1 Particle Wave Duality Forward Into The Unknown

Student(s) Junlin Mo

Grade 8 **Town** Bridgeport

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award

Bridgeport Park City Prep Charter School Vicky Boudreau

2014 L7 1 Using Bioluminescent Diatoms To Help Detect Water Contamination.

Student(s) Jennifer Adorno

Grade 7 **Town** Bridgeport

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

Bridgeport Park City Prep Charter School Vicky Boudreau

2005 L7 2 Acid Rain And Its Affects on Aquatic Algae.

Student(s) Cherish Johnson

Grade 7 **Town** Bridgeport

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award

Bridgeport Six to Six Magnet School Mrs. Andrews

2007 L7 1 What is the relationship between dissolved oxygen and coliform in the Pequonnock River?

Student(s) Hyojune Jung

Grade 7 **Town** Bridgeport

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Junior & T-Shirt

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Bridgeport Six to Six Magnet School Carmen Andrews

2504	L8	1	An investigation into the use of pyrocystis fusiformis as an early indicator of acidic pollution.
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Student(s) Jonathan Siveyer **Grade 8** **Town** Monroe

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS
- Urban School Challenge Awards with support from CASE --- 3rd Place Middle School - \$100 and Trophy, Medallion
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for Middle School Student
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology 8th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
- Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, waste recycling related
- Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash

Cheshire St. Bridget School Mrs. carroll

5050	P7	1	Stability of Digital Data
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Student(s) Evan Mikulski **Grade 7** **Town** Wallingford

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award

Danbury Danbury High School Mr. Weinheimer

3072	LS	1	Biological Control of The Emerald Ash Borer Using Entomopathogenic Fungus
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Student(s) Janine Kerr **Grade 10** **Town** Danbury

- Pfizer Life Sciences Awards --- 5th Place- Life Sciences Senior High- trophy
- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award
- Environmental Sciences Awards with CACIWC --- 2nd Place HS- \$200, Trophy, CACIWC gifts, Trip to Compete GENIUS Olympiad, Oswego, NY
- Alexion Biotechnology Awards --- 5th Place- Biotechnology Senior High- trophy
- The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"
- Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash

Danbury Danbury High School Mrs. Manes

6043	PS	2	Shoulder Posture Perfect Backpack Insert Design
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Student(s) Irene Mathew **Grade 10** **Town** Danbury

- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project

Danbury St. Gregory the Great School Josephine Ferry

2524	L8	3	Coliform Bacteria: Detect & Destroy 2
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Student(s) Peter Chavez **Grade 8** **Town** Danbury

- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	St. Gregory the Great School	Josephine Ferry	4003	PT	1	Enzyme frenzy		
Student(s)			Katie Colucci		Grade 8	Town	Danbury	
			Anna Strosser		Grade 8	Town	Danbury	
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award								
Danbury	St. Gregory the Great School	Mrs. Josephine Ferry	4016	PT	2	Building Bridges		
Student(s)			Joseph Kiselak		Grade 7	Town	Danbury	
			Nicholas Walker		Grade 7	Town	Danbury	
<ul style="list-style-type: none">● U.S. Air Force --- Certificate, sport bag, speaker, organizer								
Danbury	St. Gregory the Great School	Mrs. Josephine Ferry	1014	LT	2	Zap That Zit		
Student(s)			Laura Mezzetta		Grade 8	Town	Danbury	
			Nicole DiMauro		Grade 8	Town	Danbury	
<ul style="list-style-type: none">● Connecticut Science Supervisors Association --- \$125 for a middle school project								
Danbury	St. Joseph School	Miss Iapaluccio	1012	LT	1	Is the earth getting hotter? Investigating the Greenhouse Effect.		
Student(s)			Julia Farkas		Grade 8	Town	Danbury	
			Ashley Sfaelos		Grade 8	Town	Danbury	
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award								
Danbury	St. Joseph School	Katherine Iapaluccio	5562	P8	1	Converting Waste to Electricity using Efficient Microbial Fuel Cell		
Student(s)			Martha Haddad		Grade 8	Town	Danbury	
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- 1st Place Middle School - \$500 Cash and Trophy● UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering● Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$300 & trophy and Invitation Compete in Broadcom MASTERS● Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science● Society of Women Engineers - Hartford Section --- Scientific Calculator● MIT Club of Hartford K-12 Initiative --- For excellence in energy related research, middle school, \$150 cash award								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Danbury	St. Joseph School	Ms. Iapaluccio	5033	P7	1	Burning Calories: How Much Energy is Stored in Different Types of Food?		
Student(s)			Makinsey Jarboe		Grade	7	Town	Danbury
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award								
Danbury	St. Joseph School	Mrs. K. Iapaluccio	5508	P8	1	Salt Water Energy		
Student(s)			James Parris		Grade	8	Town	Brookfield
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy								
Danbury	St. Joseph School	Miss Iappaluccio	2031	L7	1	What is the Effect of Organic Fertilizer in Improving Plant Growth?		
Student(s)			Alexandra Peters		Grade	7	Town	Monroe
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- 5rd Place- Life Sciences 7th grade- trophy● Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award Souvenir								
Darien	Darien High School	Christine Leventhal	3049	LS	3	Quantifying the Effects of Lionfish (Pterois volitans) through Food Web Analysis and Ecopath V 6.0 Modeling on the Mahahual (Mexico) Reef Zone		
Student(s)			Katherine Ferguson		Grade	12	Town	Darien
<ul style="list-style-type: none">● Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum								
Darien	Darien High School	Christine Leventhal	3093	LS	3	Ethnogenesis and State Formation in the Mycenaean State of Pylos: A-pu2/Iklaina as a Diagnostic		
Student(s)			Reed Morgan		Grade	12	Town	Darien
<ul style="list-style-type: none">● Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum								
Darien	Darien High School	David Lewis	3077	LS	1	Cardiovascular Pharmacogenomics: Assessing New Genetic Variants for Warfarin and Clopidogrel Response		
Student(s)			Jeffrey Sload		Grade	12	Town	Darien
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Cell & Molecular Biology								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Darien Darien High School David Lewis

3004 LS 2 The Effect of the D126G Mutation on the Aggregation Propensity of CRABP

Student(s) Dorry Zhao **Grade** 11 **Town** Darien

- Cell Analysis and Modeling Award - Center for Cell Analysis and Modeling at UCHC --- \$75 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center

East Granby East Granby Middle School Mr. Langan

2016 L7 1 Too Hot To Handle

Student(s) Kylie Geer **Grade** 7 **Town** East Granby

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences 7th grade- trophy and Invite to Compete Broadcom MASTERS
- J. A. Augustine Award --- \$100 for excellence in biology

East Hartford CT Intl Baccalaureate Academy Ms. Twohig

3502 LST 3 Comparing the Ability of the Human Body to Digest Factory and Grass-Fed Beef

Student(s) Natalie Krebs **Grade** 10 **Town** South Windsor
Emma Spitia **Grade** 10 **Town** Manchester
Rachel Roy **Grade** 10 **Town** East Hartford

- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award

East Haven East Haven Academy Jan Staires

5041 P7 1 The Heat Is On!

Student(s) Molly Mazzucco **Grade** 7 **Town** East Haven

- Dominion Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences 7th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences

East Haven East Haven Academy Jan Staires

2001 L7 1 How Does The Color of The Light Affect The Growth of Peas?

Student(s) Kevin Romero **Grade** 7 **Town** East Haven

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award

East Haven East Haven Academy Jan Staires

2520 L8 2 The effect of oil spills on sea plants

Student(s) Catherine Valloso **Grade** 8 **Town** East Haven

- Sister Mary Christine Life Sciences Award --- \$100 and plaque for excellence in the life sciences by a middle school project
- The Maritime Aquarium Environmental Stewardship Award --- 1 year Family Membership, Family iMax, Family Cruise

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Fairfield	Fairfield College Preparatory School	Mr. Anthony Canuel	6092	PS	3	Optimization of Multi-Layered Feed-Forward Artificial Neural Networks for Various Applications		
Student(s)			Dylan Hawkes		Grade	10	Town	Trumbull
<ul style="list-style-type: none">● Xerox Computer Science Awards --- 3rd Place High School- \$200, Trophy, Medallion● IEEE, Connecticut Section --- \$100 Honorable Mention								
Fairfield	Fairfield Warde High School	Andrew Bramante	6014	PS	1	Fabrication of a Flexible, Tunable Color Changing Skin using Magnetically Responsive Fe3O4 Photonic Crystal Structures		
Student(s)			Sofia Bramante		Grade	11	Town	Fairfield
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate● The National Society of Professional Engineers --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF								
Fairfield	Our Lady of the Assumption School	Kathy Almeida	5503	P8	2	Do Metals Have Antimicrobial Properties?		
Student(s)			Arianna Morton		Grade	8	Town	Bridgeport
<ul style="list-style-type: none">● ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF& medallion● American Society for Metals - Hartford Chapter --- \$100 Check								
Fairfield	Tomlinson Middle School	Ms.Lusardi	1018	LT	3	The Affect of the Senses on the Short-Term Memory Ages 12-14		
Student(s)			Julia Lawlor		Grade	8	Town	Southport
			Allora Sengupta		Grade	8	Town	Fairfield
<ul style="list-style-type: none">● American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSEF								
Fairfield	Tomlinson Middle School	Mrs. Lusardi	5529	P8	1	Making Gas Mileage More Efficient		
Student(s)			Nicholas Muro		Grade	8	Town	Fairfield
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award								
Farmington	Miss Porter's School	Kam Yong Jang	3505	LST	1	Sun Protection Cream with Mugwort Preservative		
Student(s)			Boyoung Ahn		Grade	11	Town	Farmington
			Junie Khang		Grade	11	Town	Mclean
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Glastonbury	Glastonbury High School	Diane Pintavalle	3015	LS	1	The advantages of the navigational behavior of the slime mold Physarum polycephalum.		
Student(s) Donna Aranibar			Grade 12			Town Glastonbury		
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● University of Connecticut - Physics Department --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate								
Glastonbury	Glastonbury High School	Ms. Diane Pintavalle	3027	LS	1	Morphogenesis of and Chromosome Segregation in Escherichia coli Branching Mutants		
Student(s) Kaitavjeet Chowdhary			Grade 12			Town Glastonbury		
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & trophy, Trip to compete at Intel ISEF● H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Life Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence, invite to CASE Annual Mtg● Biophysical Society --- Biophysics Award- \$100● University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Microbiology								
Glastonbury	Glastonbury High School	Ms. Diane Pintavalle	6060	PS	2	The Correlation between Psychosocial Disorders and Childhood Psychological Stresses and Neurological Data		
Student(s) Kashish Hora			Grade 12			Town Glastonbury		
<ul style="list-style-type: none">● People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Trophy, \$300 from People's United Bank								
Glastonbury	Glastonbury High School	Ms. Pintavalle	3038	LS	2	The Presence and Magnitude of Melanomacrophages in the Livers of Sharks		
Student(s) Delaney Kehoe			Grade 12			Town Glastonbury		
<ul style="list-style-type: none">● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award● U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF								
Greens Farms	Greens Farms Academy	Dr. Mathieu Freeman	6066	PS	1	Digital Image Sharpening through Optimization of Filtering Parameters based on Genetic Algorithms		
Student(s) Saurav Acharya			Grade 12			Town Milford		
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- 4th Place- Physical Sciences Senior High Individual - trophy● People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award● Xerox Computer Science Awards --- 2nd Place High School - \$300, Trophy, Medallion● United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report● Intel Excellence in Computer Science Award --- \$200 & certificate● University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Engineering: Electrical and Mechanical● University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Computer Science								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greens Farms Greens Farms Academy Sara Campolettano

2513 L8 1 The Effects of OTC Pain Killers on Gastric Health and the Development of Ulcers

Student(s) Claudia Bernstein

Grade 8 **Town** Westport

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 8th grade- \$300 & trophy and Invite to Compete Broadcom MASTERS
- Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Science 8th Grade - \$500 and invite to CSTA Award Banquet

Greens Farms Greens Farms Academy Sara Campolettano

5523 P8 1 Efficiency of Plane Designs

Student(s) Oliver Ferry

Grade 8 **Town** Fairfield

- Dominion Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF
- American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
- Demos R Us --- \$150 Cash Award Clear Execution of Research
- Harvey Hubbell Foundation Award --- \$100 for Excellence in Engineering

Greenwich Brunswick School Dana Montanez

3033 LS 1 The effects of bovine serum albumin (BSA) on restriction digestion and analysis of Lambda Phage DNA

Student(s) Jacob Fields

Grade 12 **Town** Greenwich

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate1

Greenwich Brunswick School Dana Montanez

6505 PST 1 Subsurface Recovery of Spilled Crude Oil Using Nanomagnet Retrieval System

Student(s) Matthew Mayfield

Grade 12 **Town** Greenwich

Vikram Bodas

Grade 11 **Town** Greenwich

Robert Schultz

Grade 11 **Town** New Canaan

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award

Greenwich Brunswick School Mrs. Dana Montanez

6041 PS 1 The Most "Invisible" Geometric Shape: The Future of Stealth Technology

Student(s) Reed McMurchy

Grade 10 **Town** Stamford

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Brunswick School	Dana Montanez	3507	LST	1	A Novel Approach to the Synthesis of a High-Performance Biomaterial		
Student(s)			Alessandro Montinaro			Grade 10	Town	Greenwich
			Franklin Stitzer			Grade 10	Town	Greenwich
			Christian Tanner			Grade 10	Town	Rye
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award● Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir								
Greenwich	Brunswick School	Dana Montanez	6513	PST	1	A comparative analysis of a mycelia-based foam alternative versus expanded polystyrene as effective insulators and packaging materials.		
Student(s)			Kevin Pendo			Grade 10	Town	Darien
			Mahesh Raman			Grade 10	Town	Stamford
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award								
Greenwich	Brunswick School	Dana Montanez	6509	PST	1	Application of Graphene in Improving Efficiency and Practicality of Transparent and Flexible Photovoltaic Cells		
Student(s)			Ashish Ramachandran			Grade 11	Town	Stamford
			Spencer McDonough			Grade 11	Town	Greenwich
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award								
Greenwich	Brunswick School	Ms. Montanez	6101	PS	1	An Investigation of the Biodegradation Rate and Efficiency of Starch-Based Bioplastics		
Student(s)			Sivan Sud			Grade 11	Town	Greenwich
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award								
Greenwich	Central Middle School	Jennifer Bresler	2536	L8	3	Bird Song Variation and Genetic Drift in Common Yellowthroats		
Student(s)			Margaret Cirino			Grade 8	Town	Greenwich
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- 3rd Place- Biotechnology 8th grade- \$100 & trophy and Invitation Compete in Broadcom MASTERS● Yale Peabody Museum --- Family “six-pack” of free passes to the Yale Peabody Museum● Lola Lampe Müller Award --- \$150 cash for a middle or high school project								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Greenwich Central Middle School Ms. Jennifer Bresler

5516 P8 1 Inertia Propulsion

Student(s) Ethan Novek

Grade 8 **Town** Greenwich

- Dominion Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
- Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Science 8th Grade - \$500 and invite to CSTA Award Banquet

Greenwich Greenwich High School Andy Bramante

6083 PS 2 Intrinsic Laptop Energy Capture via Keyboard Piezoelectric Conversion

Student(s) Travis Anderson

Grade 11 **Town** Greenwich

- EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- EnergizeCT/eesmarts Future Sustainability Awards --- 2nd Place High School - \$500 Cash and Trophy, Trip to Compete at GENIUS Olympiad, Oswego, NY
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
- Connecticut Association of Physics Teachers --- \$100 Senior project
- University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat
- Education Connection- Center for 21st Century Skills Awards --- \$100 For innovative use of technology to advance science or engineering

Greenwich Greenwich High School Andrew Bramante

3076 LS 1 The Role of Soluble Adenylyl Cyclase (sAC) in the Prevention of Tumor Formation

Student(s) Friederike Buck

Grade 11 **Town** Old Greenwich

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir
- Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Chemistry

Greenwich Greenwich High School Andrew Bramante

3068 LS 1 A self-powered Controller for a live Blaberus discoidalis

Student(s) Arun Drelich

Grade 11 **Town** Greenwich

- Pfizer Life Sciences Awards --- 4th Place- Life Sciences Senior High- trophy
- Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award

Greenwich Greenwich High School Andrew Bramante

3053 LS 1 Sustainable Enhancement of Plant Growth & Disease Reduction Using Biochar Soil Additives

Student(s) Zheni Gusho

Grade 11 **Town** Stamford

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Environmental Sciences Awards with CACIWC --- 1st Place HS- \$500, Trophy, CACIWC gifts , Trip to Compete I-SWEEEP, Houston

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Greenwich High School	Mr. Bramante						
6001	PS	2	An Investigation of a Novel TiO2 Coating for Improved Surrounding Air Quality & Reduced Solar Cell Maintenance					
Student(s)			Blake Hallisey		Grade	11	Town	Greenwich
<ul style="list-style-type: none">● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award● Yale Science & Engineering Association, Inc. --- Certificate, Medallion,\$50 gift card to Amazon given by CSEF● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related								
Greenwich	Greenwich High School	Bramante						
6045	PS	1	Rapid Monte Carlo Testing of the Efficacy of Error-Correcting Codes for Robust Quantum Computing					
Student(s)			Helen Hansel		Grade	11	Town	Old Greenwich
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award● Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award● United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report● Yale Science & Engineering Association, Inc. --- Certificate, Medallion,\$50 gift card to Amazon given by CSEF● Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences								
Greenwich	Greenwich High School	Andy Bramante						
6006	PS	2	Utilization Of A Small Unmanned Aerial System for Optimization of Deer Tick Population Management					
Student(s)			Paul Hansel		Grade	9	Town	Old Greenwich
<ul style="list-style-type: none">● Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Trophy, Medallion● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate								
Greenwich	Greenwich High School	Andrew Bramante						
3100	LS	1	Morphological Modeling of Taurine Function in Mice to Study Oxidant Injury to Lung and Kidney Tissue					
Student(s)			Joseph Lee		Grade	12	Town	Greenwich
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award								
Greenwich	Greenwich High School	Mr. Bramante						
6093	PS	1	Novel Creation of a Hydrocarbon-Soaking Paper for Remediation and Reuse of Nanoscale Oil Contaminants in Water					
Student(s)			Gabrielle Liflander		Grade	11	Town	Riverside
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & trophy● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award● Stockholm Junior Water Prize --- Certificate, Letter,\$50 gift card to Amazon given by CSEF, possible advance to further competition● The National Society of Professional Engineers --- Certificate, Lapel Pin,\$50 gift card to Amazon given by CSEF● Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related● TurnKey Compliance Solutions Environmental Awards --- \$200 Cash Award High School- For excellence in environmental sciences								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Greenwich High School	Andrew J. Bramante	3058	LS	1	Solvent Extraction of Hydrocarbons and Hydrocarbon Derivatives from Lythrum Salicaria Seed Capsules		
Student(s) Andrew Ma			Grade 10		Town Riverside			
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Trophy, Trip to Compete I-SWEEEP, Houston● Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash								
Greenwich	Greenwich High School	Andy Bramante	3064	LS	1	Promotion of Wound Healing via a Novel Hydrophilic Dressing		
Student(s) Mallory Madfes			Grade 12		Town Greenwich			
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● Alexion Biotechnology Awards --- 1st Place- Biotechnology Senior High- Trip to compete at Intel ISEF, \$500 & trophy,								
Greenwich	Greenwich High School	Andy Bramante	6058	PS	1	Quantitative Analysis of H2 Production via Photocatalytic Water Splitting		
Student(s) Antony Manokhin			Grade 11		Town Greenwich			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award								
Greenwich	Greenwich High School	Andrew Bramante	3099	LS	1	Comparative Suppression of Soil-borne Pathogens via Earthworm Bioturbation of Wood and Plant-based Biochars		
Student(s) Anne Merrill			Grade 11		Town Old Greenwich			
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award								
Greenwich	Greenwich High School	Andrew Bramante	6050	PS	1	Nanostructured C-Phycocyanin Enhanced Hematite Thin-Film Photoanode Co-Sensitized with Plural Organic Dyes to Yield a Highly Efficient Solar Cell		
Student(s) Maxmillian Minichetti			Grade 10		Town Greenwich			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & trophy, trip to compete at Intel ISEF● UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering● H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Physical Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence, invite to CASE Annual Mtg● Arthur Mensing Award --- \$500 cash award for excellence in the physical sciences								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Greenwich	Greenwich High School	Andrew Bramante	6078	PS	1	Laser-induced Propulsion of Anticancer-Doxorubicin Using a Combined Optical Tweezing and Radiation-induced Interface Deformation		

Student(s) Rebecca Murray

Grade 11 **Town** Greenwich

- Dominion Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Individual - \$300 & trophy, trip to compete at Intel ISEF
- Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory

Greenwich	Greenwich High School	Andrew Bramante	3039	LS	1	Application of a Poly-electrolytic Layer-by-Layer Assembled Thin Film to Prevent Post-operative Abdominal Adhesions		
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Student(s) Shira Rieke

Grade 11 **Town** Old Greenwich

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences Senior High- \$200 & trophy
- UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- Alexion Biotechnology Awards --- 2nd Place- Biotechnology Senior High- \$400 & trophy,
- Connecticut Science Supervisors Association --- \$125 for a high school project
- Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences
- Yale Chapter of Sigma Xi, The Scientific Research Society --- Dinner at Mory's for four - with members of Yale Chapter of Sigma Xi
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Biochemistry

Greenwich	Greenwich High School	Andrew Bramante	6054	PS	1	Integration of Photoluminescent Manganese-doped ZnS Nanocrystals for Improved Solar Cell Response		
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Student(s) Peter Russell

Grade 10 **Town** Riverside

- Dominion Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences Senior High Individual - trophy
- Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate

Groton	Sacred Heart School	Mrs. Sheryl McCarthy	5027	P7	3	Impact of using ice-melting chemicals on the coastal waters surrounding the Mystic River Estuary, Beebe Cove and the Noank Marina		
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Student(s) Andrea Garcia

Grade 7 **Town** Mystic

- EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSEF

Groton	Sacred Heart School	sheryl mccarthy	5553	P8	3	Save the beach house		
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Student(s) Benjamin Godley

Grade 8 **Town** Groton

- Randy Gibson Award for Earth Science Research --- \$100 cash and plaque

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Guilford	E. C. Adams Middle School	Kristen Meyerjack	4047	PT	2	The Effect of Different Landscaping Methods on the Prevention of Topsoil Erosion		
Student(s)			Jackson Fischbach		Grade 7		Town Guilford	
			Andre Kish		Grade 7		Town Guilford	
<ul style="list-style-type: none">● Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWCgifts, CSF Medallion, Acrylic award								
Hamden	Hamden High School	Sonia Beloin	3048	LS	2	Leukotriene A4 Hydrolase Inhibition as a Novel Rheumatoid Arthritis Treatment		
Student(s)			Ank Agarwal		Grade 10		Town Hamden	
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir● Lunch with a Patent Attorney --- Lunch with a Patent Attorney								
Hamden	Hamden High School	Sonia Beloin	3085	LS	2	CCG-1423 Regulates MKL1 Nuclear Localization in Megakaryocytes		
Student(s)			Justin Thomas		Grade 11		Town Hamden	
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- 3rd Place- Biotechnology Senior High- \$300 & trophy● Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF								
Hamden	Hamden Middle School	Mrs. Michelle DeLucia	2538	L8	1	TACE Inhibitors As Non-Biological Drugs For Treating Rheumatoid Arthritis		
Student(s)			Aakshi Agarwal		Grade 8		Town Hamden	
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- 5th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS● Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSF								
Hamden	Hamden Middle School	Danny Martins	4038	PT	1	The Effect of Heat Treatment on the Strength of Steel		
Student(s)			Rachel Baumann		Grade 8		Town Hamden	
			Heather Tucker		Grade 8		Town Hamden	
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award● U.S. Air Force --- \$50 Amazon gift card given to each student● American Society for Metals - Hartford Chapter --- \$100 Check								
Hamden	Hamden Middle School	Daniel Martins	2541	L8	2	WHICH ECOSYSTEM HAS THE MOST LIFE?		
Student(s)			Julian Driebeek		Grade 8		Town Hamden	
<ul style="list-style-type: none">● Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hamden	Hamden Middle School	Danny Martins	4044	PT	2	Maglev Modeling		
Student(s)			Kayla Johnson		Grade 8		Town Hamden	
			Ehran Hodes		Grade 8		Town Hamden	
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir● Barker Mohandas Award for Transportation Research --- \$250 Cash for Excellence in Transportation Related Research								
Hamden	Sacred Heart Academy	Mrs. Pamela Brownell	3009	LS	2	Development of an in vitro model for implantation		
Student(s)			Tess Cersonsky		Grade 12		Town Oxford	
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir								
Hamden	Sacred Heart Academy	Shawn Kelly	6031	PS	2	Peak electricity: Generating Energy Using a Centrifugal Airflow Fan Blade, Propelled by Hot Air Flowing from a Soffit Vent to a Ridge Vent On a Roof		
Student(s)			Olivia Kelly		Grade 11		Town Shelton	
<ul style="list-style-type: none">● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award● Society of Women Engineers - Hartford Section --- Scientific Calculator● ProConn Power Inc. Award for Sustainable Electrical Energy Research --- \$250 for Excellence in Sustainable Electrical Energy Research● University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Energy & Transportation								
Hamden	Sacred Heart Academy	Dr. Sengupta	3057	LS	3	Caffeine: Friend or Foe		
Student(s)			Isobel Munday		Grade 9		Town New Haven	
<ul style="list-style-type: none">● U.S. Army --- Certificate and \$25								
Hamden	Sacred Heart Academy	Mrs. Brownell / Mario Ricoszi	6069	PS	2	Wine Making; From Caves to Chemistry		
Student(s)			Callia Ricoszi		Grade 10		Town Branford	
<ul style="list-style-type: none">● U.S. Army --- Certificate and \$25								
Hamden	Sacred Heart Academy	Dr. Sibani Sengupta	3028	LS	2	Insecticides: Killing Grass While Killing Bugs?		
Student(s)			Elizabeth Smith		Grade 9		Town Madison	
<ul style="list-style-type: none">● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
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Hartford Classical Magnet School Ms. Abo

4032	PT	3	Meltdown
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Student(s) Aaron Dang
Kofi Ansong

Grade 8 **Town** Bloomfield
Grade 8 **Town** Manchester

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF

Hartford Classical Magnet School Ms. Abo

2508	L8	3	Strain put on the Patellar Tendon
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Student(s) Holly Weldon

Grade 8 **Town** South Windham

- Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences
- Bob Harris Fix It Award --- \$100 and Certificate for ingenuity in using material and tools

Hartford Greater Hartford Academy of Math and Sci Dr. Lili Aramli

3508	LST	1	The Effects of Herbal Remedies on Breast Cancer Cells in Cell Culture
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Student(s) Shantanu Sharma
Kishan Patel
Alexander Pokorski

Grade 12 **Town** Rocky Hill
Grade 12 **Town** Newington
Grade 12 **Town** Southington

- Pfizer Life Sciences Awards --- 3rd Place - Life Sciences Senior High Team - trophy
- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award
- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner

Hartford Hartford Magnet Trinity College Academy Ms Parmelee

2525	L8	2	The Antioxidant Mystery
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Student(s) Tessa Cyr

Grade 8 **Town** East Hartford

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner
- J. A. Augustine Award --- \$100 for excellence in chemistry

Hartford Hartford Magnet Trinity College Academy Ms. Parmelee

5550	P8	2	As The Wind Turns
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Student(s) Amrit Parmanand

Grade 8 **Town** Ellington

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project

Hartford Two Rivers Magnet High School Ms.Holmes

3031	LS	3	The Effects Of Citric Acid On Calcuim Carbonate
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Student(s) Lariab Afzaal

Grade 9 **Town** Windsor

- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award
- U.S. Army --- Certificate and \$25

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Hartford	Two Rivers Magnet High School	Mrs.Holmes	6087	PS	2	The Effects of Vitamins and Minerals on Absorbance Wavelength		
			Student(s)		Alexela Hoyt	Grade 9	Town	Bristol
<ul style="list-style-type: none">● Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award● Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban High School Project								
Hartford	Two Rivers Magnet High School	Ms. Holmes	3055	LS	3	The Effect of Paranormal Activity on Temperature and EMF Ratings		
			Student(s)		Thomas Scheinblum	Grade 9	Town	Manchester
<ul style="list-style-type: none">● Henderson Award --- Certificate and \$50 Amazon Gift Card given by CSF								
Kensington	St. Paul School	Kelly Wytas	5026	P7	3	Electrical Conductivity of Salt Water		
			Student(s)		Ishita Goel	Grade 7	Town	Middletown
<ul style="list-style-type: none">● Society of Women Engineers - Hartford Section --- Scientific Calculator								
Kensington	St. Paul School	MISS WYTAS	2519	L8	2	The Amount Of Time Exposed to Non-Ionizing Radiation Versus The Effect On Seed Germination And Plant Growth For French Breakfast Radishes		
			Student(s)		Elizabeth Lopreiato	Grade 8	Town	New Britain
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy								
Madison	Our Lady of Mercy School	Mrs. Rosalie Zonder	4018	PT	1	Does Cell Phone Distraction Effect Your Reaction?		
			Student(s)		Emily Connelly	Grade 7	Town	Madison
					Amy Ziobron	Grade 7	Town	Westbrook
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award● American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project								
Madison	Our Lady of Mercy School	Sr. Carol Sansone	2529	L8	2	Salinity Study Before and After a Salt Marsh Restoration		
			Student(s)		Elaine Lynders	Grade 8	Town	Guilford
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir● American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF								
Madison	Our Lady of Mercy School	Sr. Carol	5002	P7	2	Tsunamis: The Effects of Water Depth and Sea Floor Variation on Wave Velocity		
			Student(s)		Cole Simons	Grade 7	Town	Guilford
<ul style="list-style-type: none">● American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF								

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Madison	Walter C. Polson Middle School	Madhuparna Roychoudhury	5521	P8	1	A New Mathematical-Equation Based Approach for Faster and Efficient Digital Video Transmission		
Student(s)			Ankita Roychoudhury		Grade	8	Town	Madison
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award● People's United Bank Mathematics Awards - with ATOMIC --- 1st Place Middle School- \$150 from ATOMIC, and Trophy, \$300 from People's United Bank● Xerox Computer Science Awards --- 3rd Place Middle School- \$100, Trophy, Medallion								
Manchester	East Catholic High School	Mr. Paul Oei	6020	PS	1	Integration of Photovoltaic and Peltier-Seebeck Thermoelectric Effects to Optimize the Power Density of a Hybrid Solar Panel		
Student(s)			Bridget Oei		Grade	11	Town	Hebron
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Trophy, Medallion● Environmental Sciences Awards with CACIWC --- 3rd Place HS- \$100, Trophy, CACIWC gifts● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Trophy● EnergizeCT/eesmarts Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy● UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering● Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF● Connecticut Architecture Foundation --- \$100 Gift Certificate to Barnes and Nobles● IEEE, Connecticut Section --- \$100 Honorable Mention● Westinghouse Electric Company/New England Chapter of North American Young Generation in Nuclear --- 1st place, Excellence in Energy Research, \$100 cash award● MIT Club of Hartford K-12 Initiative --- For excellence in energy related research, high school, \$150 cash award								
Meriden	O. H. Platt High School	Miss. Pomposi	6503	PST	3	What does your shampoo do to you?		
Student(s)			Karilis Mercado		Grade	9	Town	Meriden
			Stephanie Nieves		Grade	9	Town	Meriden
<ul style="list-style-type: none">● Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award								
Middletown	Xavier High School	Mr. Michael Humphreys	6510	PST	1	Adaptive Leading Edge Droop Mechanism to Increase Fuel Efficiency and Flight Safety on Private Aircraft		
Student(s)			Mario Chris		Grade	12	Town	Storrs
			Jeff Witz		Grade	12	Town	New Britain
			John Reidy		Grade	12	Town	Northford
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & trophy● American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

New Britain Pope John Paul II School Kathleen Welch

5035 P7 2 Amp Up Your Knowledge About Electricity

Student(s) Kamila Krawczuk

Grade 7

Town New Britain

- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
- IEEE, Connecticut Section --- \$100 Honorable Mention

New Haven Betsy Ross Arts Magnet School Ms. MacDonald

5502 P8 1 Earth, Wind, and Fire- comparing water, wind, and solar based fuels

Student(s) Brian Brigham

Grade 8

Town Orange

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award

New Haven Betsy Ross Arts Magnet School Mrs. Cichus

2023 L7 3 Composting Banana Peels

Student(s) Gabrielle Christofo

Grade 7

Town Wallingford

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin, \$50 gift card to Amazon given by CSEF

New Haven Engineering & Science University Magnet School Roger Rushworth

5558 P8 1 Evaluating Lead Levels of Water in Older Homes

Student(s) Lauren Low

Grade 8

Town Hamden

- Dominion Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Environmental/ Energy Award- Urban Public School Award --- \$100 Award for top environmental or alternative energy project from a New Haven public school

New Haven St. Aedan-St. Brendan School Mr. Celentano

5008 P7 3 Charles's Law: The Effect of Temperature on the Volume of a Gas

Student(s) Jacob Spell

Grade 7

Town New Haven

- The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum

New Haven Worthington Hooker Middle School Mr. Jones

2018 L7 1 Fluoride Free Water?

Student(s) Maya Geradi

Grade 7

Town New Haven

- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 7th grade- \$200 & trophy and Invitation to Compete Broadcom MASTERS
- Urban School Challenge Awards with support from CASE --- 1st Place Middle School - \$300 and Trophy, Medallion and Project Oceanology's Ocean Camp
- Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

New Haven Worthington Hooker Middle School Mr. Jones

1016	LT	2	Degrading DNA
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Student(s) Noah Powell
Di Lu

Grade 7 **Town** New Haven
Grade 7 **Town** New Haven

- Urban School Challenge Awards with support from CASE --- Middle School Finalist - Medallion and acrylic award
- Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy

Newtown Newtown Middle School Ms. Beverly Andracchi

1013	LT	1	The Effect of Certain Physical Activities on Blood Pressure of 13-year-old Females
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Student(s) Simran Chand
Kendra Dunnigan

Grade 8 **Town** Newtown
Grade 8 **Town** Newtown

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award

Newtown Newtown Middle School Andracchi

4008	PT	3	Poison In the Ground
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Student(s) Margaret Koekkoek
Bryanna Benson

Grade 8 **Town** Newtown
Grade 8 **Town** Sandy hook

- American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project

Newtown St. Rose of Lima School Mrs. Dimon

5540	P8	1	Evaluating the Performance of a Model Solar Updraft Tower Power Plant
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Student(s) Grace Herrick

Grade 8 **Town** Newtown

- Dominion Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy, invite to compete Broadcom MASTERS
- People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award
- Barnes Aerospace Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
- Environmental Sciences Awards with CACIWC --- 3rd Place MS- \$100, Trophy, CACIWC gifts
- EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
- EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- 3rd Place Middle School - \$200 Cash and Trophy
- Society of Women Engineers - Hartford Section --- Scientific Calculator
- Spirit of Invention Award --- \$100 Cash and Plaque for Inventive Concepts

Newtown St. Rose of Lima School Mrs. Dimon

2534	L8	2	THE EFFECT OF IRON ON THE GROWTH OF DINOFLAGELLATES IN ESTUARINE WATER
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Student(s) Maria Ringes

Grade 8 **Town** Sandy Hook

- Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science

Newtown St. Rose of Lima School Mrs. Dimon

5505	P8	2	Oxidation Reduction Reactions In Apples And Bananas
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Student(s) Laura Russell

Grade 8 **Town** Brookfield

- Ricoh Corporation/Society for Science & the Public --- Certificate, Lapel Pin, \$50 gift card to Amazon given by CSEF
- Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Norwalk All Saints Catholic School Mrs. Erin Snow

5034 P7 1 Effect of Temperature on Magnetism

Student(s) Kristen Beaumonte

Grade 7 **Town** Westport

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt
- ISA - International Society for Automation --- 3rd - \$50 award

Norwalk All Saints Catholic School Mrs. Erin Snow

5020 P7 1 Comparative Study of Three Renewable Energy Sources: Solar Power, Wind Power, and Hydroelectric Power

Student(s) Evan Guerrero

Grade 7 **Town** Norwalk

- Dominion Millstone Power Station Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy

Norwalk All Saints Catholic School Mrs. Snow

4010 PT 1 Overcoming Rotational Inertia

Student(s) Christy Russo

Grade 8 **Town** Norwalk

Leah Zezima

Grade 8 **Town** Norwalk

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award

Norwalk Brien McMahon High School Mr. Seuch

3078 LS 2 Remote Control Glove

Student(s) Junior Sierra

Grade 10 **Town** Norwalk

- Urban School Challenge Awards with support from CASE --- Senior High Finalist - Medallion and acrylic award
- Quinnipiac University Scholarships --- \$20,000, 4 year scholarship to Quinnipiac University for High School Student
- Education Connection- Center for 21st Century Skills Awards --- \$100 For innovative use of technology to advance science or engineering

Norwich Norwich Free Academy Mrs. Jones

6012 PS 2 maximizing the solar collection of a solar panel by mobilizing the system

Student(s) Remington Carle

Grade 12 **Town** Norwich

- EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- Connecticut Association for the Gifted --- \$50 gift certificate to Barnes and Noble

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Norwich	Norwich Free Academy	Mrs. Jones	6056	PS	1	Thermoelectricity		
Student(s) Connor Provost			Grade 9		Town Bozrah			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award● Wisner Award --- \$250 cash and plaque● University of Connecticut - Physics Department --- UCONN Physics Department - Co-Op \$100 Gift Certificate● John B. Trevor Award in Electrical Engineering --- \$500 cash award for an innovative electronic or electrical project								
Orange	Southern Connecticut Hebrew Academy	Karen Howell	5557	P8	1	Comparison of Absorption Rates of Natural vs. Artificial Sugars and Effect of Antioxidant Spice Enhancers on Absorption Rates		
Student(s) Esther Katz			Grade 8		Town New Haven			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award● Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSEF● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner								
Orange	Southern Connecticut Hebrew Academy	Mrs. Karen Howell	1020	LT	1	Analysis of Arsenic in Food from Natural Produce, Effect on Cell Bioavailability, and Effect of Chelators on Absorption.		
Student(s) Batsheva Lipsker			Grade 8		Town Stamford			
Devora Hodakov			Grade 8		Town New Haven			
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- 1st Place- Life Sciences MS Team- \$100 each & trophy and Invite to Compete Broadcom MASTERS● Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWCgifts, CSF Medallion, Acrylic award● Alexion Biotechnology Awards --- 4th Place- Biotechnology 8th grade- trophy and Invitation Compete in Broadcom MASTERS● U.S. Air Force --- Certificate, sport bag, speaker, organizer								
Orange	Southern Connecticut Hebrew Academy	Mrs. Howell	2503	L8	2	Quantitative Analysis of Nitrate and Phosphate "Runoff" Pollution on Long Island Sound, Marine Life, and Hypoxia		
Student(s) Ruben Melka			Grade 8		Town New Haven			
<ul style="list-style-type: none">● Project Oceanology --- Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt● Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Orange Southern Connecticut Hebrew Academy Karen Howell

4014	PT	1	Analysis of Fabric Flammability Rates and Effect of Chemical Flame Retardants, versus Effect Natural Flame Retardants.
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Student(s) Chana Piekarski
Esther Caroline

Grade 8 **Town** Hamden
Grade 8 **Town** New Haven

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWCgifts, CSF Medallion, Acrylic award
- American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project

Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell

4031	PT	1	Effect of Plastic on Food Evaporation, Nutrient Value, Oxidation, and Antioxidant Levels.
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Student(s) Honey Rogoff
Sophia Ting

Grade 8 **Town** New Haven
Grade 8 **Town** New Haven

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award

Orange Southern Connecticut Hebrew Academy Mrs. Karen Howell

2532	L8	1	Analysis of Allelopathic Effect of Grasses on Common Weeds
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Student(s) Yehudah Russell

Grade 8 **Town** New Haven

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 8th grade- \$200 & trophy and Invite to Compete Broadcom MASTERS

Oxford Oxford High School Mrs. Granucci

6085	PS	2	The Effect of an Altered Muffler on a Portable Generator in Relation to its Sound Level
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Student(s) Zachary Geffert

Grade 10 **Town** Oxford

- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- Connecticut Academy of Audiology --- \$150 Cash Award High School- For Excellence in Audiology and Acoustics

Oxford Oxford High School Nicole Granucci

6036	PS	2	Development of a frictionless magnetic drive to increase efficiency in wind driven turbines
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Student(s) Brian Westgate

Grade 11 **Town** Oxford

- Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Trophy, Madllion
- Barker Mohandas Award for Transportation Research --- \$250 Cash for Excellence in Transportation Related Research

Pawcatuck St. Michael School Mr. DeNoia

4017	PT	1	Dry Ice Engine
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Student(s) Flora Klise
Sara Wrótniak

Grade 8 **Town** Mystic
Grade 8 **Town** Pawcatuck

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Pawcatuck St. Michael School Mr. Denoia

5512	P8	2	The Adhesion of Athletic Bandages
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Student(s) Samantha Narducci **Grade 8** **Town** Pawcatuck

- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award Souvenir

Plantsville John F. Kennedy Middle School Nancy Wasserman and Pamela

4042	PT	1	Fighting The Wave
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Student(s) Kristen Mathew **Grade 8** **Town** Southington

Rebecca Lo Presti **Grade 8** **Town** Plantsville

- Dominion Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report

Plantsville John F. Kennedy Middle School Mrs. Nancy Wasserman

1006	LT	1	The Affects of Natural Sorbents on Petroleum
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Student(s) Kimberly Stafko **Grade 8** **Town** Southington

Alexa Maddalena **Grade 8** **Town** Southington

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences MS Team- \$100 each & trophy and Invite Compete Broadcom MASTERS
- National Oceanic and Atmospheric Administration --- Certificate, medallion, and \$50 gift card to Amazon given by CSEF
- TurnKey Compliance Solutions Environmental Awards --- \$100 Cash Award Middle School- For excellence in environmental sciences

Plantsville John F. Kennedy Middle School Nancy Wasserman

1001	LT	1	Color or Plain, It's just not the same
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Student(s) Gabrielle Veilleux **Grade 8** **Town** Southington

Morgan Maccione **Grade 8** **Town** Southington

- Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award

Putnam Putnam Science Academy Serdar Haytiyev

6508	PST	1	A novel approach to degrade harmful byproducts formed during the production of Polyethylene Terephthalate (PET) by using Fomepizole.
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Student(s) Selman Avci **Grade 11** **Town** Middletown

Almas Myrzatay **Grade 11** **Town** Putnam

- Dominion Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & trophy
- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Putnam Putnam Science Academy Caron Quantick

3513 LST 1 Usage of Organic Materials (such as banana peels) to Purify Water

Student(s) **Jepbar Rejepov** **Grade 10** **Town** Putnam
Mehmet Eygoren **Grade 10** **Town** Putnam
Hacibey Catalbasoglu **Grade 10** **Town** Putnam

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award

Redding Joel Barlow High School Dr. Katherine Nuzzo

6091 PS 3 Melting Polar Caps and Northern Hemisphere Weather: Is there a correlation between the melting of the polar caps and weather conditions in the northern hemisphere?

Student(s) **Theodoros Aris** **Grade 12** **Town** Redding

- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Environmental Science

Redding Joel Barlow High School Dr. Nuzzo

6100 PS 2 Non-toxic Biological indicator of Food Spoilage in Pasteurized Milk of Varying Fat Content for Consumer Use

Student(s) **Andrea McGowan** **Grade 10** **Town** Redding

- U.S. Army --- Certificate and \$25

Shelton Shelton High School Mrs. Lucia

6009 PS 2 Automatic Detection and Classification of Alzheimer's Disease From MRI Scans Using Principal Component Analysis and Artificial Neural Networks

Student(s) **Rigel Mahmood** **Grade 11** **Town** Shelton

- People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Trophy, \$200 from People's United Bank
- United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report
- U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF
- University of New Haven 11-12th Grade Awards in Engineering & Science --- \$100 for Top 11th or 12th Grade Project in Mathematics

Shelton Shelton High School Robert Darby

6502 PST 1 Blades Of Fury: Wind Blade Efficiency

Student(s) **Joseph Niski** **Grade 9** **Town** Shelton
Ian Diaz **Grade 9** **Town** Shelton
Casey Cisero **Grade 9** **Town** Shelton

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award

Southington St. Thomas School Mrs. Pelczar

5526 P8 2 Sound Proofing Your World

Student(s) **Michael Nanfita** **Grade 8** **Town** Southington

- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

Stafford Springs St. Edward School Mrs. Donna Napolitano

5049 P7 2 Lift and Drag in Kites

Student(s) Karen Agro

Grade 7 **Town** Somers

- Dreams Unlimited --- \$100 cash award + certificate

Stafford Springs St. Edward School Mrs. Napolitano

5525 P8 2 Tidal Power: Extracting Energy from Ocean Tides

Student(s) Samuel Teerlinck

Grade 8 **Town** Monson

- EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy

Storrs E. O. Smith High School Swanson

3069 LS 2 The Growth of the Stony Coral, Leptoseris, in Low Levels of Electric Current

Student(s) Kelsey Adamson

Grade 12 **Town** Mansfield Center

- Southeastern New England Marine Educators --- \$75 award and membership in SENEME - 1st Place Senior & T-Shirt

Stratford St. Mark School Mr. Flynn

2518 L8 1 The Phytoremediation Efficacy of Elodea Canadensis, Lemna Minor, and Brassica Juncea in Copper Sulfate Contaminated Water

Student(s) Megan Robertson

Grade 8 **Town** Stratford

- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
- Environmental Sciences Awards with CACIWC --- 2nd Place MS- \$200, Trophy, CACIWC gifts
- Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash

Stratford St. Mark School Mr. Philip Flynn

2527 L8 1 The Effect of Chlorine on Extractable DNA

Student(s) Alexandra Sciallo

Grade 8 **Town** Stratford

- Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award

Tolland Stonewall Academy Don Peck

5549 P8 2 Wind Turbine Blade Efficiency Through Extensions and Winglet Modifications

Student(s) Amelia Peck

Grade 8 **Town** Tolland

- People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place Middle School - Trophy , \$100 from People's United Bank
- UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Trumbull	Christian Heritage School	Dan Cote	6033	PS	1	The Use of Pulse Width Modulation for Sensory Input Control of an Unmanned Aerial Vehicle (UAV) in the C++ Programming Language		
Student(s) Ian Vaca			Grade 11		Town Southport			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award● Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award● U.S. Army --- Silver medallion & Certificate &● IEEE, Connecticut Section --- \$250 Honors Award -Senior● CT Technology Council Youth Innovation Award --- \$150 Cash Award for Technological Innovation● Leask/Francoeur Family Awards --- 1st Place High School- For innovation electrical engineering or computer science - \$200 cash								
Trumbull	Christian Heritage School	Daniel Cote	6046	PS	1	Research on the general summation formula of any sequence and ancillary results.		
Student(s) Xiaofei Yu			Grade 12		Town Shelton			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Trophy, \$500 from People's United Bank								
Trumbull	St. Catherine of Siena School	Mrs. Kelley Collins	5535	P8	1	An Investigation of How the Environmentally Harmful Levels of Algal Bloom Due to Fertilizer Run-off into the Fresh and Coastal Sea Waters of Connecticut Can Be Reduced.		
Student(s) Abigail Kelly			Grade 8		Town Shelton			
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award● Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWCgifts, CSF Medallion, Acrylic award● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy								
Wallingford	Choate Rosemary Hall	Phoebe Zarnetske	3086	LS	1	A Theoretical Examination of Changes in Community Structure due to Consumptive and Competitive Species Interactions During Climate Change		
Student(s) Emily Baczyk			Grade 12		Town Avon			
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & trophy, Trip to compete at Intel ISEF● People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award● Xerox Computer Science Awards --- 1st Place High School - \$400, Trophy, Medallion● Intel Excellence in Computer Science Award --- \$200 & certificate● Long Island Sound Foundation, Inc. --- \$500 Life Science/Environmental Science/Physical science● Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum● Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash● Otero Family Award --- The Otero Family Award; \$200 cash								

[SchTown] [School] [Teacher]
[Proj#] [FCat] [Honors] [Project Title] Sponsor(s) Award(s)

West Hartford Solomon Schechter Day School Susan Pirhar

2002 L7 2 Does the content of an article affect the reader's heart rate?

Student(s) Rebecca Gold **Grade 7** **Town** West Hartford

- U.S. Department of Health & Human Services --- Certificate & \$50 Amazon gift card given by CSEF & medallion

West Hartford St. Timothy Middle School Mrs.Breen

5527 P8 2 Stressful

Student(s) Kelly Galeota **Grade 8** **Town** West Hartford

- Connecticut Architecture Foundation --- \$100 Gift Certificate to Barnes and Nobles

Westport SCISEF Deborah Day

3510 LST 1 Effect of Stress on Grasshoppers' Dietary Patterns

Student(s) Kristin Zakoworotny **Grade 11** **Town** Woodbridge
Lamisa Mannan **Grade 11** **Town** Orange

- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High Team- \$300 (split) & trophy

Westport Staples High School Dr. Michele Morse

6039 PS 1 Analysis of Open Star Clusters Predicts the Fate of the Milky Way

Student(s) Kim Adler **Grade 12** **Town** Westport

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- Astronomical Society of Greater Hartford --- Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation
- Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Senior Physics & teeshirt

Westport Staples High School Dr. Michele Morse

3511 LST 2 Green Crabs Effect on the Native Crabs Species in the Poquonock River

Student(s) Jocelyn Krim **Grade 11** **Town** Westport
Amelia Speranza **Grade 12** **Town** South Windsor

- Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

Westport Staples High School Dr. Nicholas Morgan

3021 LS 1 Who is Seeing Red? A Biometric Study of Anger

Student(s) Alec Solder **Grade 11** **Town** Westport

- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir

Wilton Middlebrook School Kendra Norman

5013 P7 1 How Useful is Your Wind

Student(s) Emilie McCann **Grade 7** **Town** Wilton

- Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award

[SchTown]	[School]	[Teacher]	[Proj#]	[FCat]	[Honors]	[Project Title]	Sponsor(s)	Award(s)
Windsor	Madina Academy Middle School	Iman Al-Naggar	1021	LT	1	Are papaya seeds an effective fertilizer?		
Student(s) Nuha Ashraf Grade 7 Town Windsor Arooba Peracha Grade 8 Town Tolland								
<ul style="list-style-type: none"> ● Pfizer Life Sciences Awards --- 3rd Place- Life Sciences MS Team- trophy and Invite to Compete Broadcom MASTERS 								
Windsor	Madina Academy Middle School	Iman Al-Naggar	5017	P7	2	Keeping it Green with Oranges: The Use of Orange Peels to Create a Better Biofuel		
Student(s) Jareen Choudhury Grade 7 Town Bloomfield								
<ul style="list-style-type: none"> ● Alexion Biotechnology Awards --- 5th Place- Biotechnology 7th grade- trophy 								
Windsor	Madina Academy Middle School	Abdelrahman ElSherbini	4011	PT	1	Methods That Utilize Available Solar and Thermal Energy to Charge Your Electrical Device in a Power Outage Using a Thermoelectric Generator		
Student(s) Osama ElSherbini Grade 8 Town Windsor Nader Kasem Grade 7 Town Glastonbury								
<ul style="list-style-type: none"> ● Dominion Millstone Power Station Physical Sciences Awards --- 3rd Place- Physical Sciences MS Team- trophy, invite to compete Broadcom MASTERS ● Barnes Aerospace Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion ● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy ● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy 								
Windsor	Madina Academy Middle School	Faraz Malik	5047	P7	2	Automating A Simple Electromagnetic Generator to Power A Device By Switching AC Current To DC Current		
Student(s) Khaleel Rahman Grade 7 Town Windsor								
<ul style="list-style-type: none"> ● EnergizeCT/eesmarts Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy 								
Windsor	Madina Academy Upper School	Esslam Hassan	3080	LS	2	A Novel Design for the Integration of a Microbial Desalination Cell in a Microbial Fuel Cell for the Production of Energy and Purification of Water		
Student(s) Aasiya Ahmed Grade 10 Town Windsor								
<ul style="list-style-type: none"> ● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- High School Finalist - Medallion ● EnergizeCT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award 								
Windsor	Madina Academy Upper School	Esslam Hassan	3501	LST	1	Effects of Caffeine and Caffeinated Beverages on Bacterial Growth		
Student(s) Shakeel Choudhury Grade 10 Town Bloomfield Rayyan Ashraf Grade 10 Town Windsor								
<ul style="list-style-type: none"> ● Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High Team- \$500 (split) & trophy ● Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner 								

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Windsor	Madina Academy Upper School	Esslam Hassan						
			3042	LS	2	Efficacy of Honey Against Bacterial Biofilms		
						Student(s) Aden Khan	Grade 10	Town Windsor
						● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir		
Windsor	St. Gabriel School	Margaret Rosa						
			5032	P7	1	A Gauss Rifle: A Magnetic Linear Accelerator		
						Student(s) Justin Lam	Grade 7	Town Windsor
						● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award		
Windsor	St. Gabriel School	Maragret Rosa						
			5021	P7	1	Free Electricity from Your Car		
						Student(s) Max Mossberg	Grade 7	Town Windsor
						● Dominion Millstone Power Station Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS		
Woodbridge	Amity Regional High School	Ms. Debroah Day						
			3025	LS	2	The Correlation Between Environmental Chitinase Activities and Asthma Severity		
						Student(s) Evan Fox	Grade 12	Town Woodbridge
						● Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award		
Woodbridge	Amity Regional High School	Deborah Day						
			6511	PST	1	Windbelts: The Future of Wind Power; The Effect of Magnet Thickness, Coil Configuration, and Film Elasticity on Electrical Output of a Windbelt		
						Student(s) Daniel Giebisch	Grade 10	Town Woodbridge
						Noah Gallant	Grade 10	Town Bethany
						● Dominion Millstone Power Station Physical Sciences Awards --- 3rd Place - Physical Sciences Senior High Team - trophy		
						● EnergizeCT/eesmarts Alternative/Renewable Energy Awards --- 2nd Place High School - \$300 Cash and Trophy, Trip to Compete GENIUS Olympiad, Oswego, NY		
Woodbridge	Amity Regional High School	Deborah Day						
			6081	PS	1	The Effect of Lead (Pb) particles on the Electrical Resistivity of Carbon Nanotubes		
						Student(s) Arvene Golbazi	Grade 10	Town Orange
						● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award		
						● IEEE, Connecticut Section --- \$100 Honorable Mention		

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Woodbridge	Amity Regional High School	Deborah Day	6013	PS	3	Prediction of cancer tissue-origin based on molecular sequencing evidence using a machine learning-based classifier algorithm		
Student(s)			Jordan Henck			Grade	12	Town Woodbridge
<ul style="list-style-type: none">● Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award● United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack and Annual Report								
Woodbridge	Amity Regional High School	Deborah Day	3090	LS	2	The Effect of MEK Inhibition on HT29 and CAKI1 Cancer Cells		
Student(s)			Tanay Lathia			Grade	12	Town Woodbridge
<ul style="list-style-type: none">● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir								
Woodbridge	Amity Regional High School	Deborah Day	3041	LS	1	Regulation of Borrelia Burgdorferi-Induced Inflammation by TAM Receptors		
Student(s)			Zhangao Liu			Grade	12	Town Bethany
<ul style="list-style-type: none">● Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award● Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award Souvenir								
Woodbridge	Amity Regional High School	Deborah Day	3036	LS	3	?Electroencephalography to Analyze and control the human Hand		
Student(s)			Peter Satonick			Grade	12	Town Orange
<ul style="list-style-type: none">● Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF								
Woodbridge	Amity Regional High School	Ms. Deborah Day	3014	LS	2	Characterizing the Boundaries of the Lipid Bilayer Surrounding Intramembrane Protease GlpG		
Student(s)			Helen Zhao			Grade	12	Town Woodbridge
<ul style="list-style-type: none">● Cell Analysis and Modeling Award - Center for Cell Analysis and Modeling at UCHC --- \$100 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center								
Woodbridge	Amity Regional High School	Deborah Day	6068	PS	1	Ca2+ Sensitive Alginate-Dendrimer FRET System for the Detection of MI		
Student(s)			Shiyu Zhuang			Grade	12	Town Orange
<ul style="list-style-type: none">● Dominion Millstone Power Station Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award● Alexion Biotechnology Awards --- 4th Place- Biotechnology Senior High- \$200 & trophy● Cell Analysis and Modeling Award - Center for Cell Analysis and Modeling at UCHC --- \$50 monetary prize- and Tour of the Cell and Genome Sciences Institute at UCONN Health Center								